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A3LSMS908U Secondary_AP															
2021.10.															
SHEET01 : RF (1/2)															
SHEET02 : RF (2/2)															
SHEET03 : BT/WIFI, UWB															
SHEET04 : NFC IC, SENSOR, AUX SW, SIM SW															
SHEET05 : AP(1/2), UFS, NVM															
SHEET06 : AP(2/2)															
SHEET07 : AP PMIC, IF PMIC, Direct Charger, OVP IC, SIDE KEY															
SHEET08 : SPK AMP, MIC															
SHEET09 : CAM PMIC, CAM Conn., CAM MCU															
SHEET10 : RF PMIC, IF IC															
SHEET11 : INTERPOSER															
Engineer: Drawn by: RED CHK: DOC CTRL CHK: MANAGER CHK: TITLE: U_SMS908 Size: A1 Changed By: sznd Date Changed: Time Changed: QA CHK: REV Drawing Number: Page: 6															

A3LSMS908U Secondary_AP

2021.10.

SHEET01 : RF (1/2)

SHEET02 : RF (2/2)

SHEET03 : BT/WIFI, UWB

SHEET04 : NFC IC, SENSOR, AUX SW, SIM SW

SHEET05 : AP(1/2), UFS, NVM

SHEET06 : AP(2/2)

SHEET07 : AP PMIC, IF PMIC, Direct Charger, OVP IC, SIDE KEY

SHEET08 : SPK AMP, MIC

SHEET09 : CAM PMIC, CAM Conn., CAM MCU

SHEET10 : RF PMIC, IF IC

SHEET11 : INTERPOSER

Engineer:			
Drawn by:			
RDG CHR:	TITLE: U_SMS908U		SIZE: A1
DOC CTRL CHR:			
MFG ENGR CHR:			
QA CHR:	REV:	Drawing Number:	Page: 1

Changed By: Rho	Date Changed:	Time Changed:
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MAIN FRC

MAIN1 ANT
(LB,MB,JPN B21)

MAIN2 ANT
(HB_n41)

MHB MIMO_LNA OUT

MAIN ANT3 (B48_n77/78/79)

THERMISTERS

MAIN ANT4 (n77/78/79)

on MASTER PCB

ET Modulator(QET6105#0)

ET Modulator(QET5100#1)

on MASTER PCB

LB LPAMID
(B5/8/12/13/14/17/20/26/28/29/71, G850/900, BC0/10)

CONFIDENTIAL

on MASTER PCB

OMH LPAMID
(B1/2/3/4/7/25/30/34/38/39/40/41/66, G1800/1900, BC1)

on MASTER PCB

on MASTER PCB

2G_PA

on MASTER PCB

TRANSCEIVER(Dual SDR735)

on MASTER PCB

GPS_L1(for SUB4 opt)

GPS_L5

on MASTER PCB

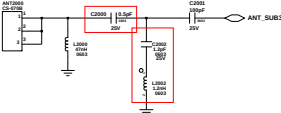
DRX_ANT

on MASTER PCB

CONFIDENTIAL

SUB ANT1
(lb,mb,hb)

SUB ANT2
(N77,N78)



SUB3
(UWB)

SUB4
(WIFI1 2.4G/5G, GPS L5)

SUB ANT5
(L1,MB,HB,N79)



CCP

SUB6
(UHB(b48/n77/n78/n79) mimo)

DRX_LB
(B5/8/12/13/14/17/18/19/20/26/28/29/71_BC0/10_G850/900)

DRX_MHB_2
(B2/4/7/25/30/41/66)

on MASTER PCB

QET6105 #2

ENDC module
(B1/2/3/4/7/25/30/39/41/66_BC1_DCS/PCS)

on MASTER PCB

UHB
(B48, n77/78)

UHB
(n79)

on MASTER PCB

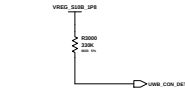
WIFI (BCM4389 CoB)

on MASTER PCB

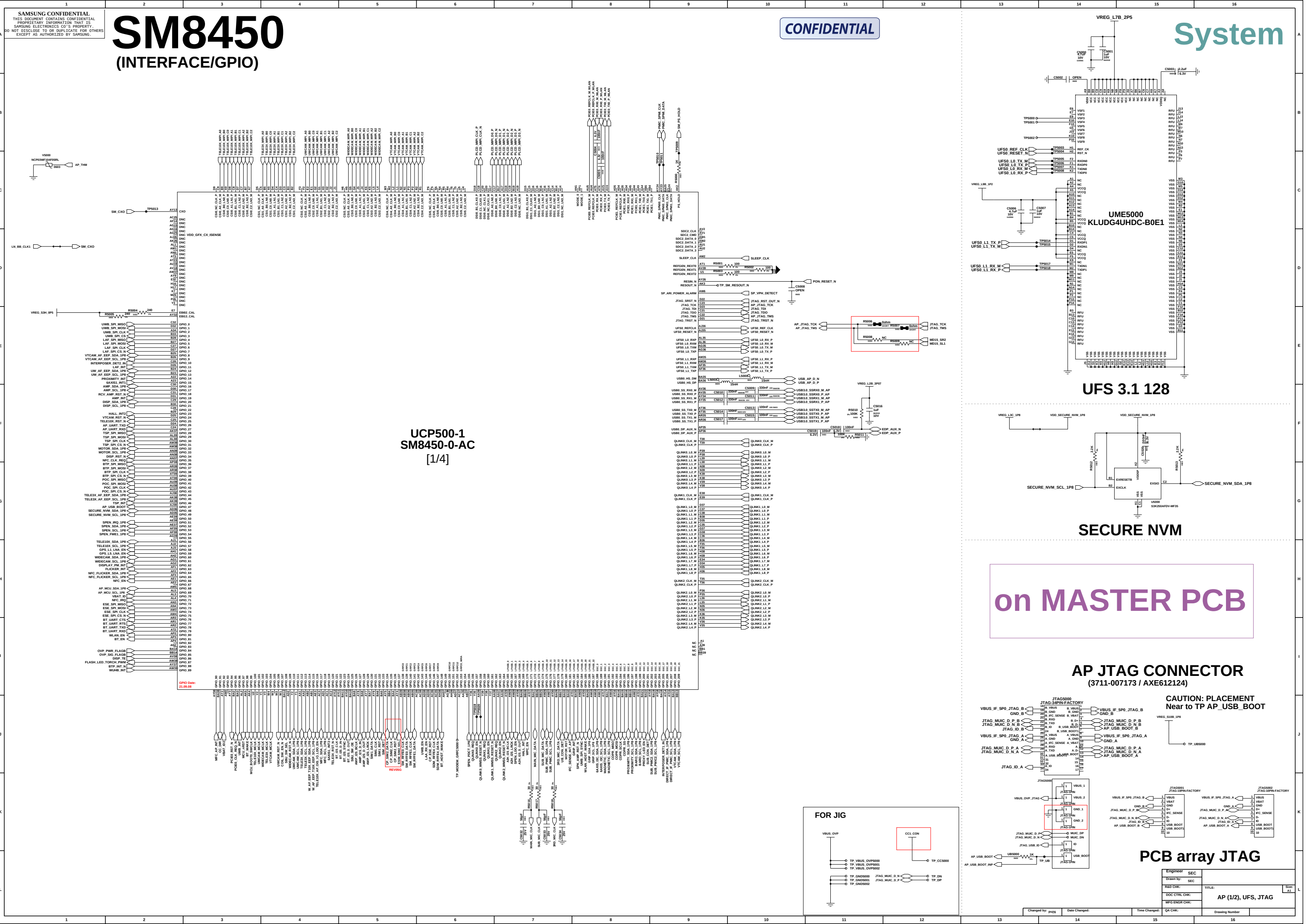
UWB

CONFIDENTIAL

on MASTER PCB



UWB Conn.

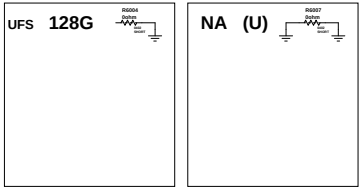
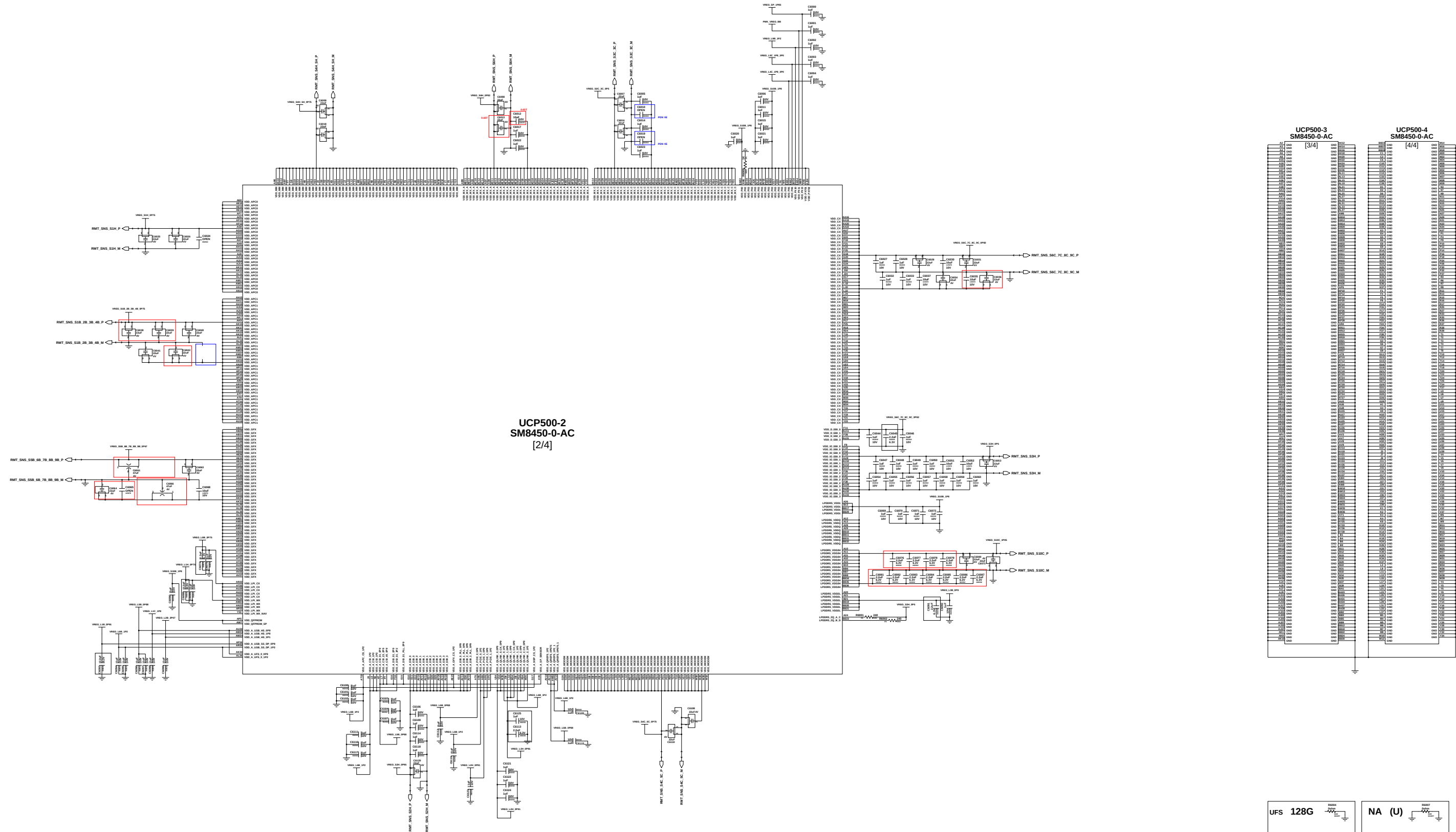


SM8450

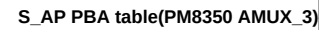
(POWER, GND)

CONFIDENTIAL

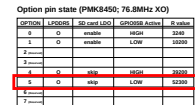
Power



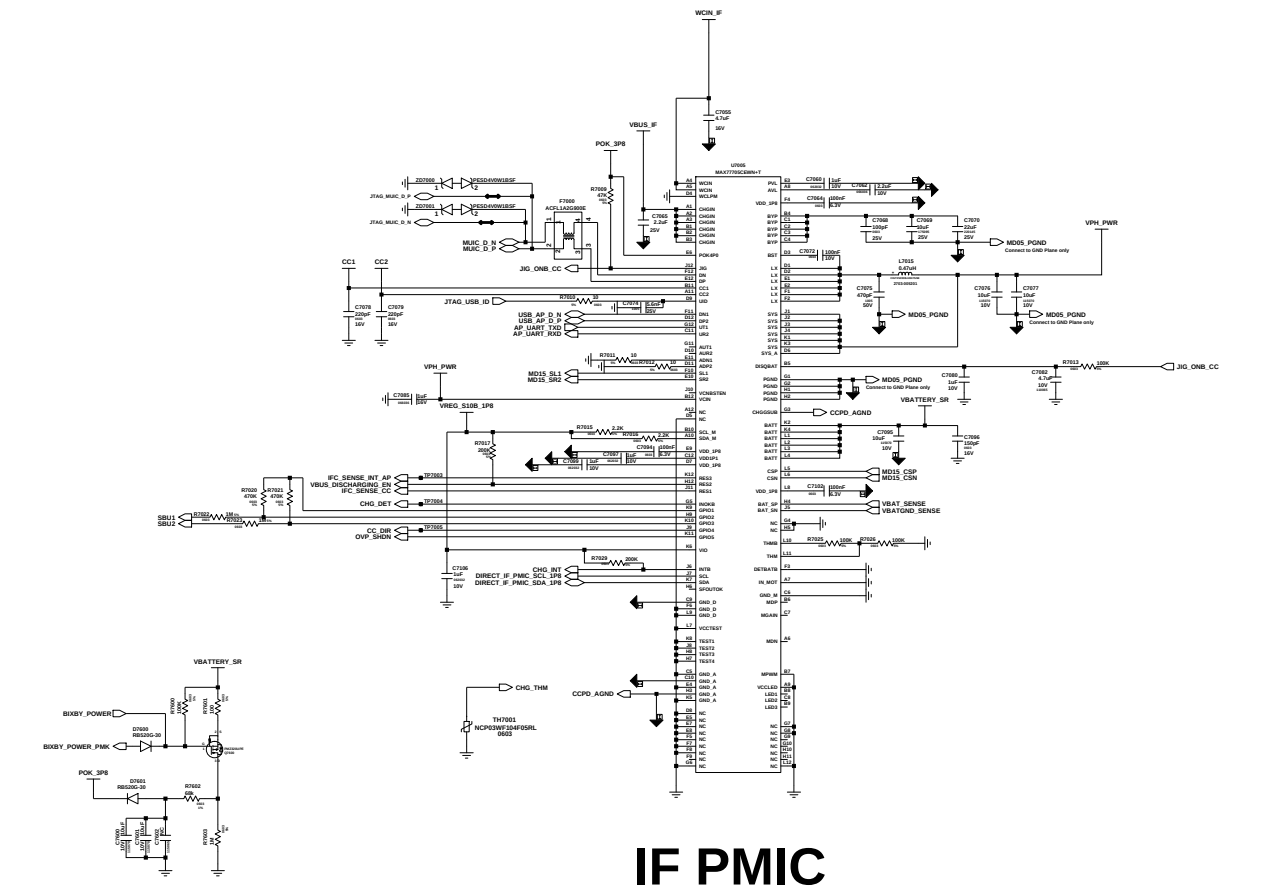
Power System



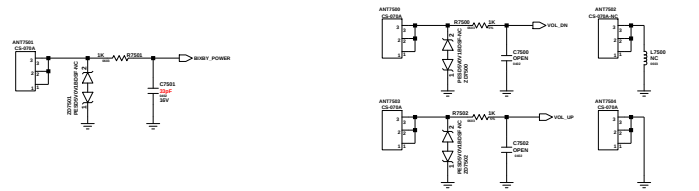
H/W ID table(PM8350 AMUX_4)			
HW ID	BOARD REVISION	Value	Mech
00	Next P SW bring-up A-Type	6.04K	
01	B0 QCOM REV0.0	9.1K	
02	SM-S908U REV0.1	12.4K	
03		18K	
04	SM-S908U REV0.2	22K	
05	SM-S908U REV0.3	30K	
06		39K	
07	SM-S908U REV0.4	47K	
08	SM-S908U REV0.5	56K	
09	SM-S908U REV0.5G	68K	
10	SM-S908U REV0.6 / 0.6A	82K	
11	SM-S908U REV0.7	109K	
12		120K	
13		150K	
14		180K	
15		200K	
16		240K	
17		280K	
18		330K	
19		430K	
20		560K	
21		750K	
22		1000K	
23		1500K	
24		3000K	



Direct Charging



IF PMIC



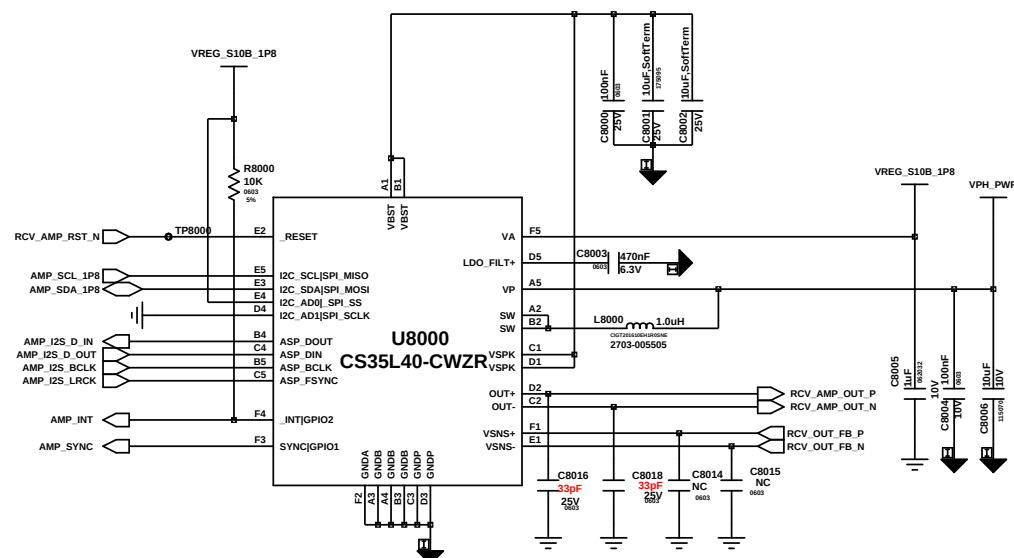
Power Key

Vol key

AUDIO

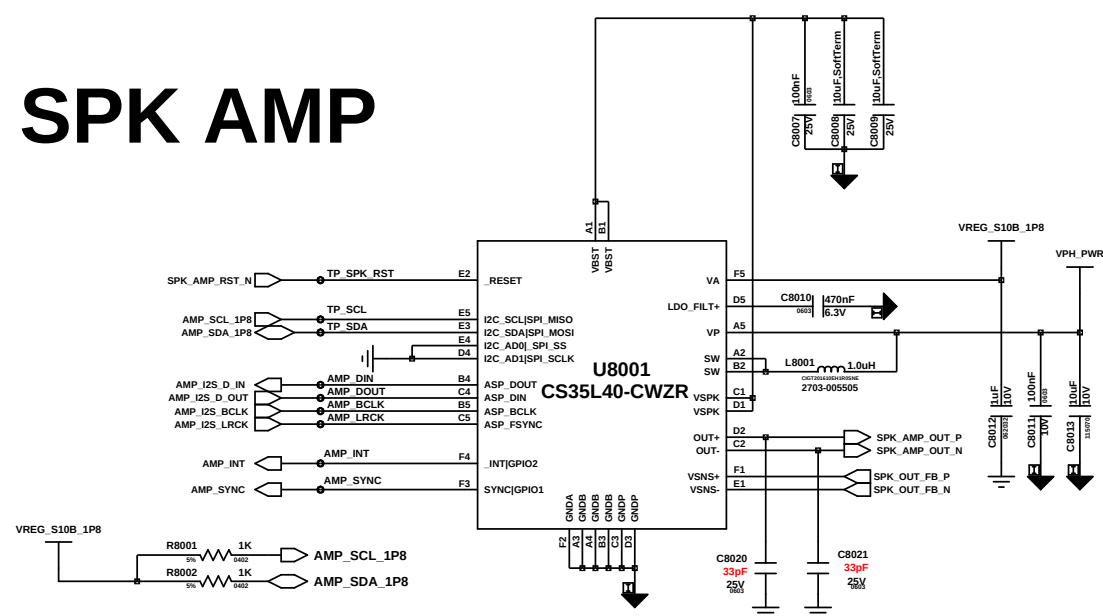
on MASTER PCB

RCV AMP



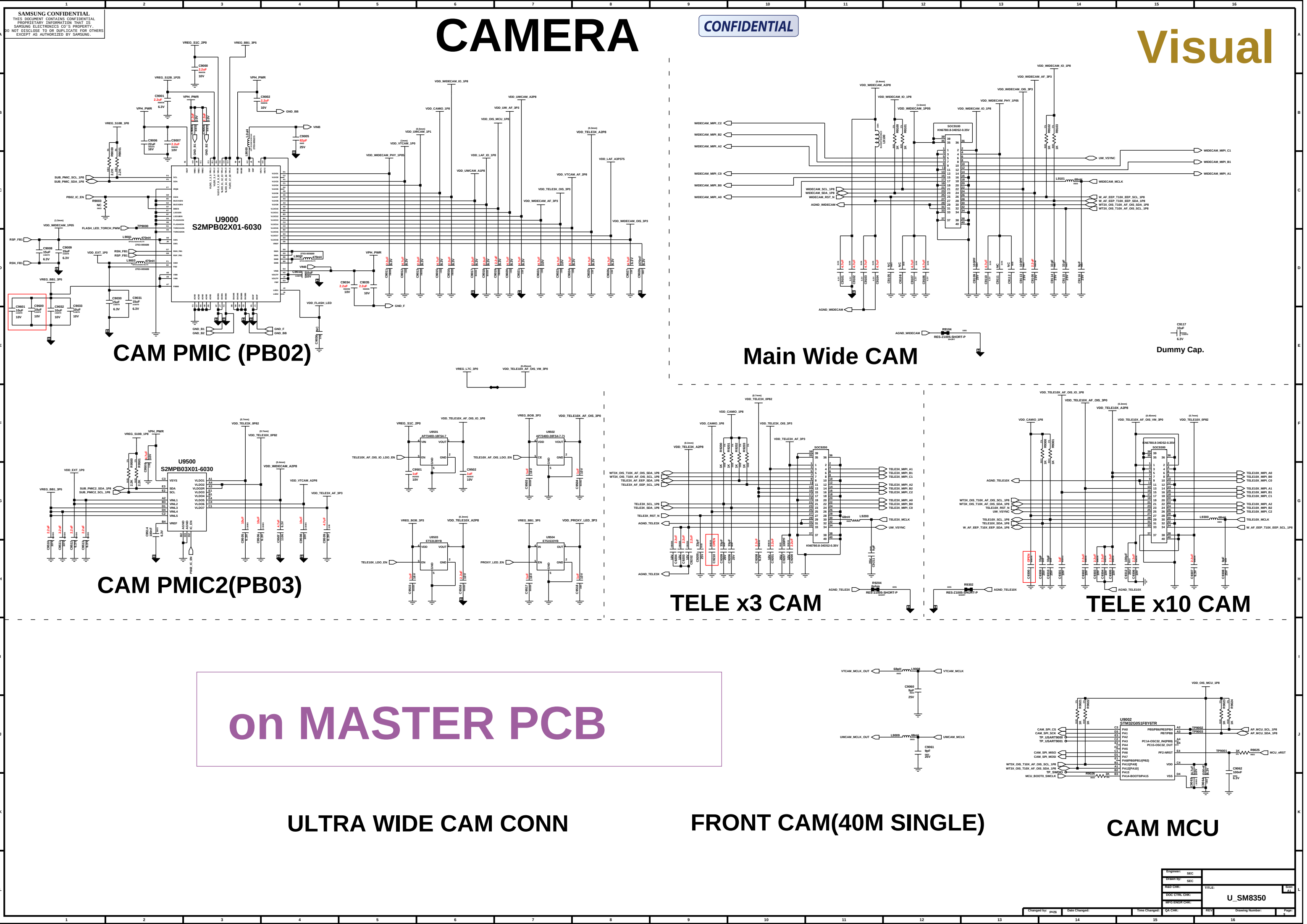
2nd MIC

SPK AMP



3rd MIC

Changed by:	pu26	Date Changed:		Time Changed:		QA CHK:		REV:		Drawing Number:		Page:	8
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RF PMIC

Power

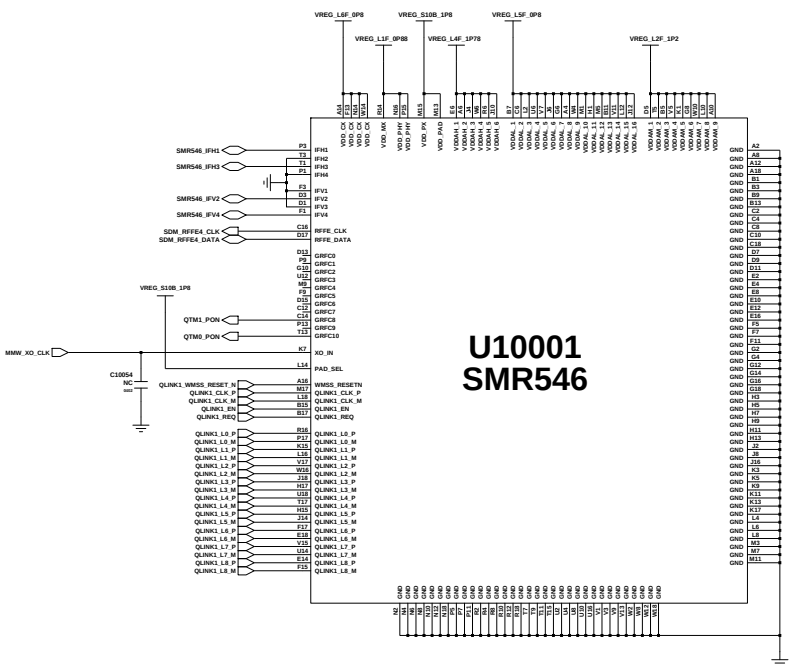
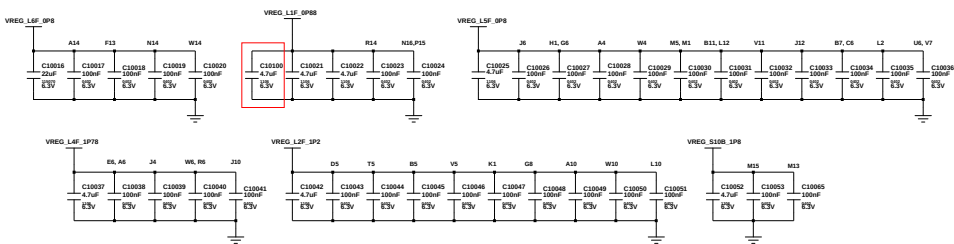
on MASTER PCB

PMR735A

PMR735B

5G IFIC (SMR546)

Radiation



on MASTER PCB

mmW_ANT_CONN (Left)

mmW_ANT_CONN (Right)

Engineer:	SEC	SAMSUNG ELECTRONICS		
Drawn by:	SEC			
R&D CHK:		TITLE: RF PMICs, 5G		Size: E
DOC CTRL CHK:				
MFG ENGR CHK:				
QA CHK:		REV:	Drawing Number:	Page: 13

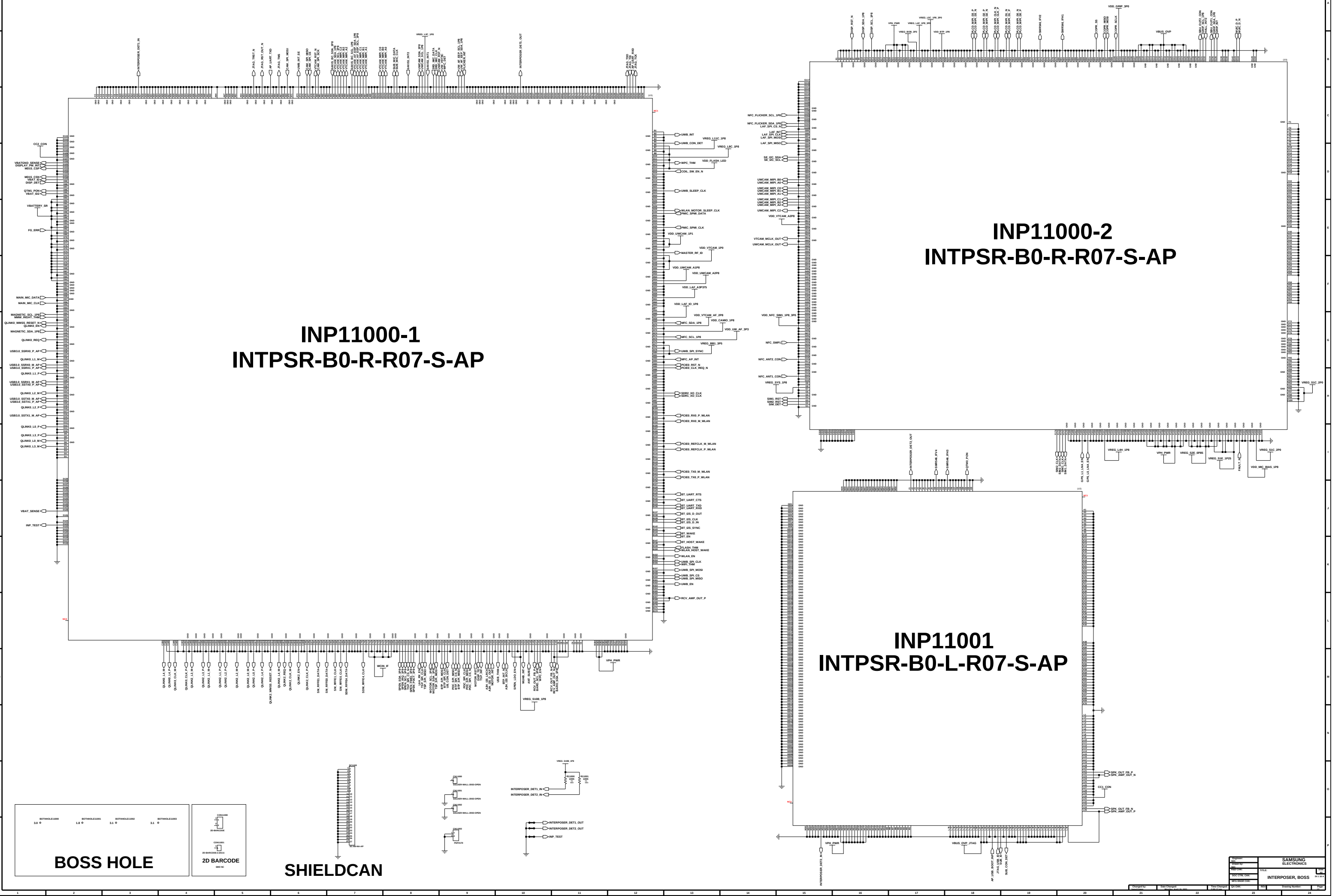
Changed by:	puz6	Date Changed:		Time Changed:	
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INTERPOSER

CONFIDENTIAL

Design



INP11000-1
INTPSR-B0-R-R07-S-AP

INP11000-2
INTPSR-B0-R-R07-S-AP

INP11001
INTPSR-B0-L-R07-S-AP

BOSS HOLE

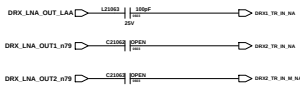
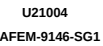
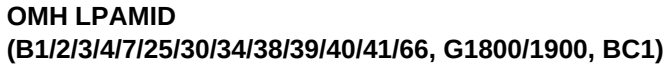
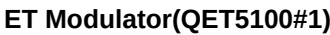
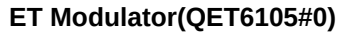
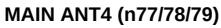
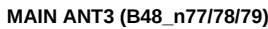
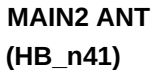
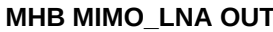
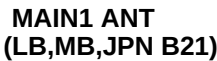
SHIELDCAN

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A3LSMS908U Master_RF															
10 2021															
Engineer: Drawn by: RED CHK: DOC CTRL CHK: MPA ENGGR CHK: Changed by: sznd Date Changed: Time Changed: QA CHK: REV Drawing Number: Page: 6 TITLE: U_SMB350 Size: A1															

A3LSMS908U Master_RF

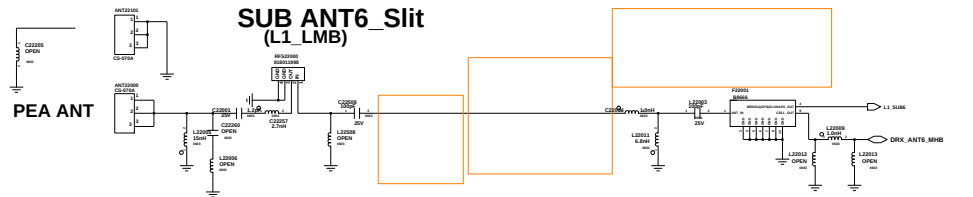
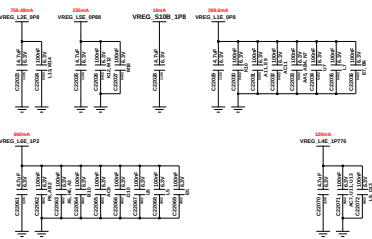
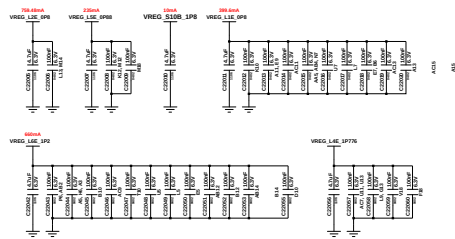
10 2021

Engineer:		
Drawn by:		
RDG CHR:	TITLE:	SIZE: A1
DOC CTRL CHR:	U_SAME250	
MFG ENGR CHR:		
QA CHR:	REV:	Drawing Number:
Changed By: Rba2	Date Changed:	Time Changed:
Page: 1		



TRANSCEIVER(Dual SDR735)

CONFIDENTIAL



SUB ANT2_Slit
(UHB_n77_n78)

SUB8_LDS
(n79)

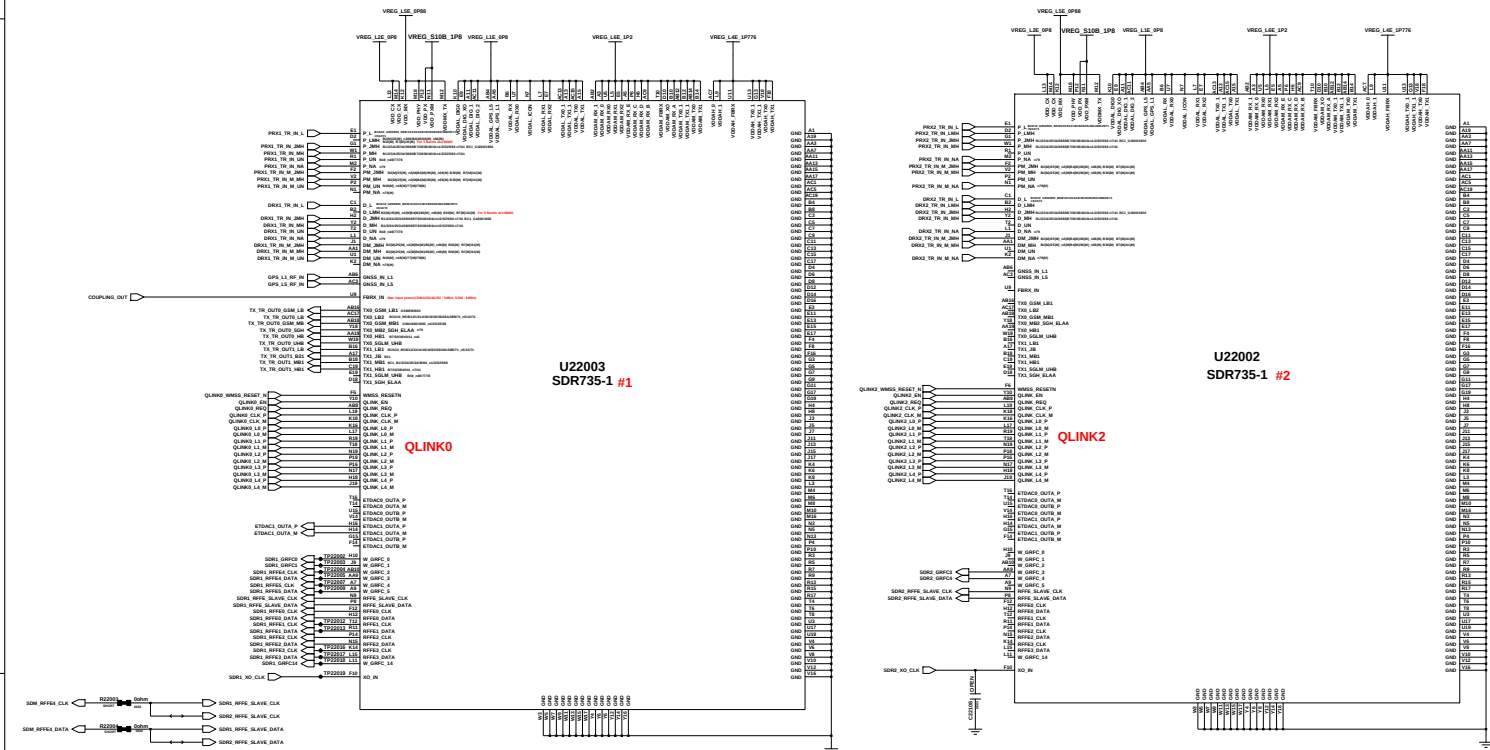
SUB4_Slit
(WIFI1 2.4G/5G, GPS L5)

CCP

SUB3_Slot
(UWB)

DRX_LB
(B5/8/12/13/14/17/18/19/20/26/28/29/71_BC0/10_G850/900)

DRX_MHB_2
(B2/4/7/25/30/41/66)



DRX_ANT

QET6105 #2

ENDC module
(B12/34/7/25/30/39/41/66_BC1_DCS/PCS)

U22009
QPM6815

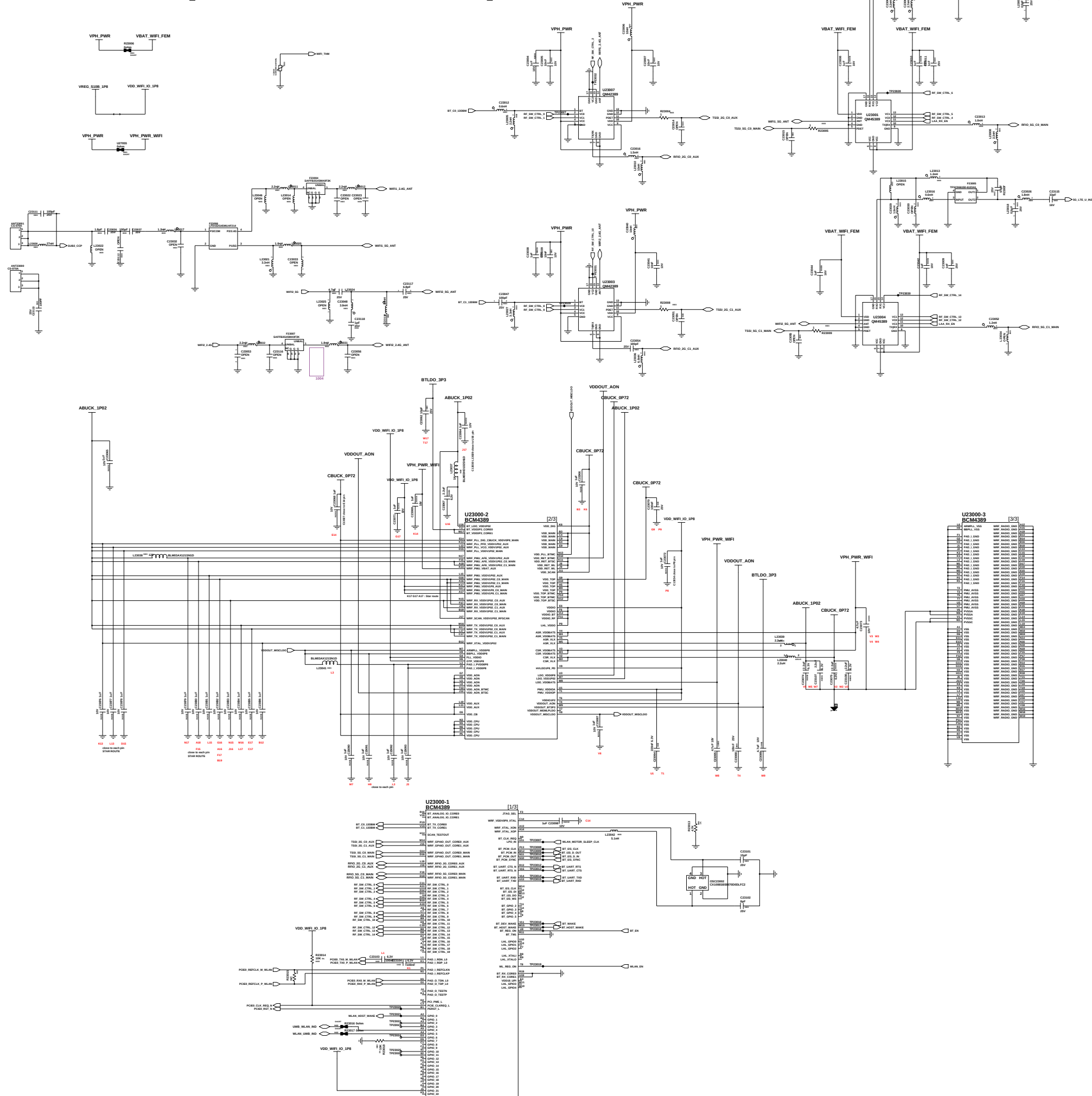
B30

GPS_L1(for SUB4 opt)

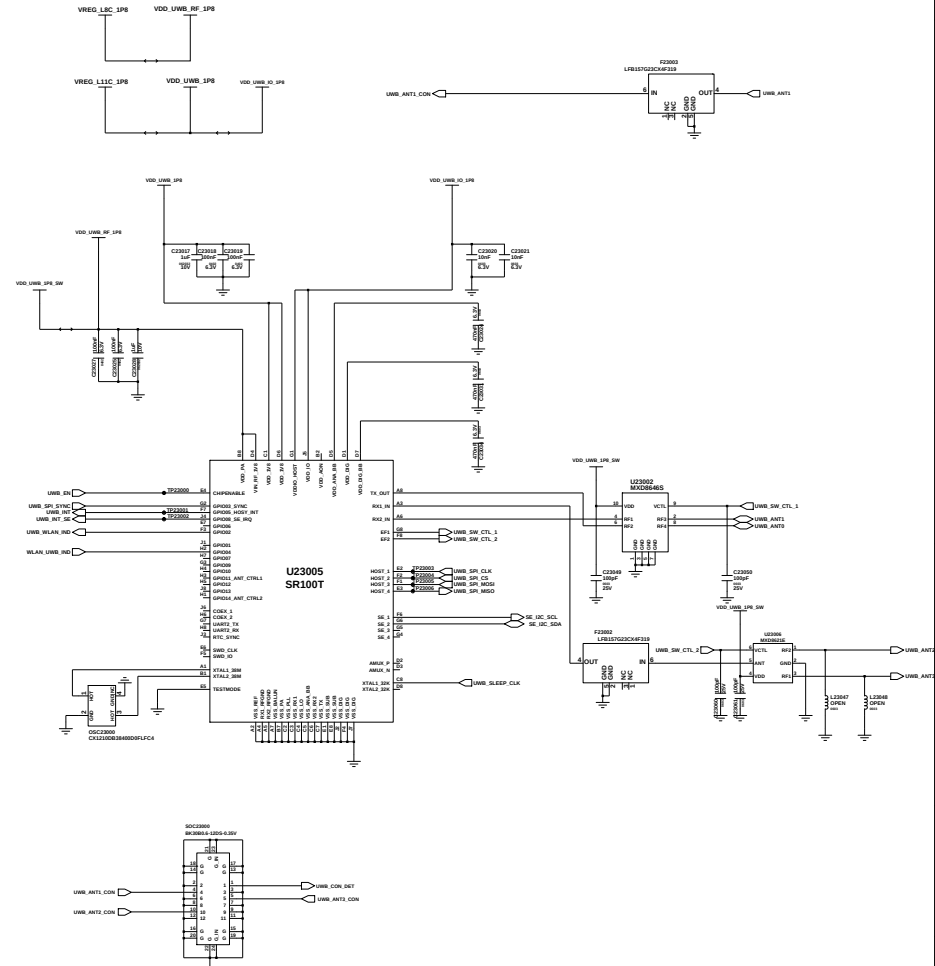
GPS_L5

UHB
(B48, n77/78)

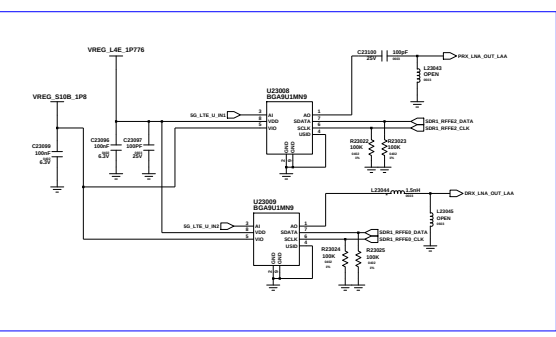
WIFI (BCM4389 CoB) Radiation



UWB

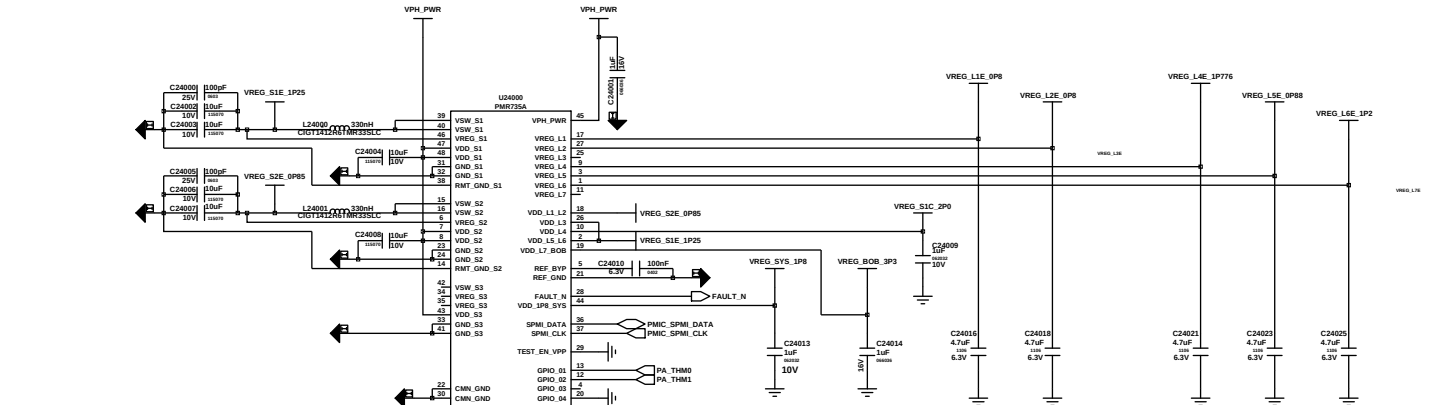


UWB Conn.



CONFIDENTIAL

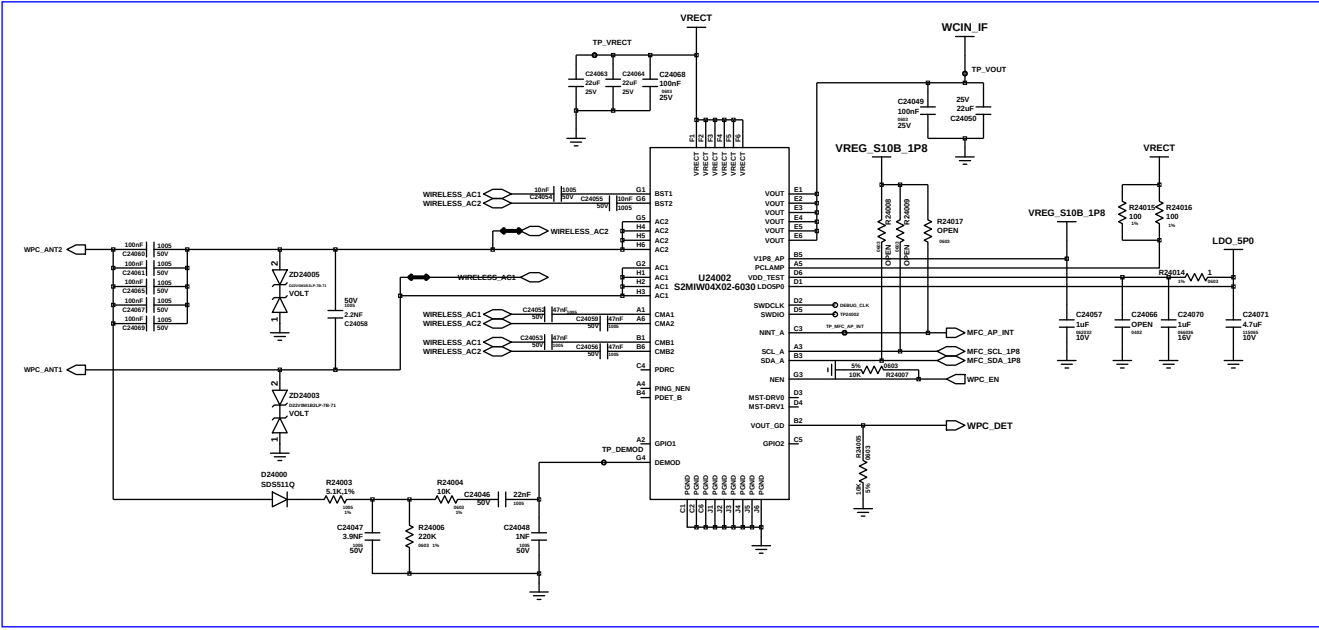
Power



W/C CONNECTOR

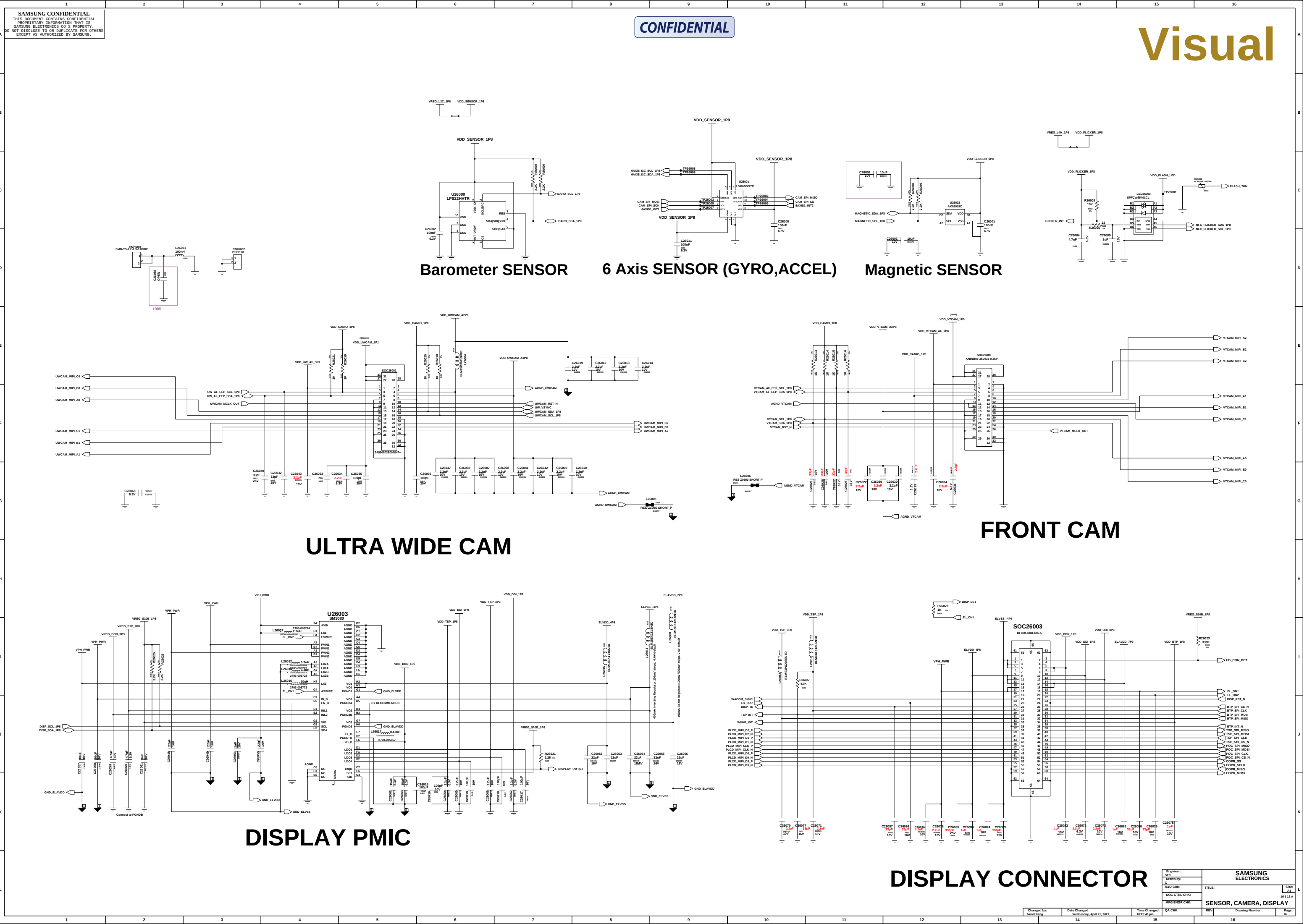
Battery Connector

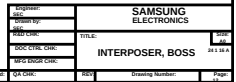
Power



MFC

Engineer:	SAMSUNG ELECTRONICS		
SEC			
Drawn by:			
SEC			
R&D CHK:			
DOC CTRL CHK:	ETC	TITLE:	
MFG ENGR CHK:		<table><tr><td>Size:</td><td>A1</td></tr></table>	Size:
Size:	A1		
		16 1 12 A	





	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
A	SAMSUNG CONFIDENTIAL THIS DOCUMENT CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION THAT IS SAMSUNG ELECTRONICS CO.'S PROPERTY. DO NOT DISCLOSE TO OR DUPLICATE FOR OTHERS EXCEPT AS AUTHORIZED BY SAMSUNG. CONFIDENTIAL																A
B																	B
C																	C
D																	D
E																	E
F																	F
G																	G
H																	H
I																	I
J																	J
K																	K
L																	L
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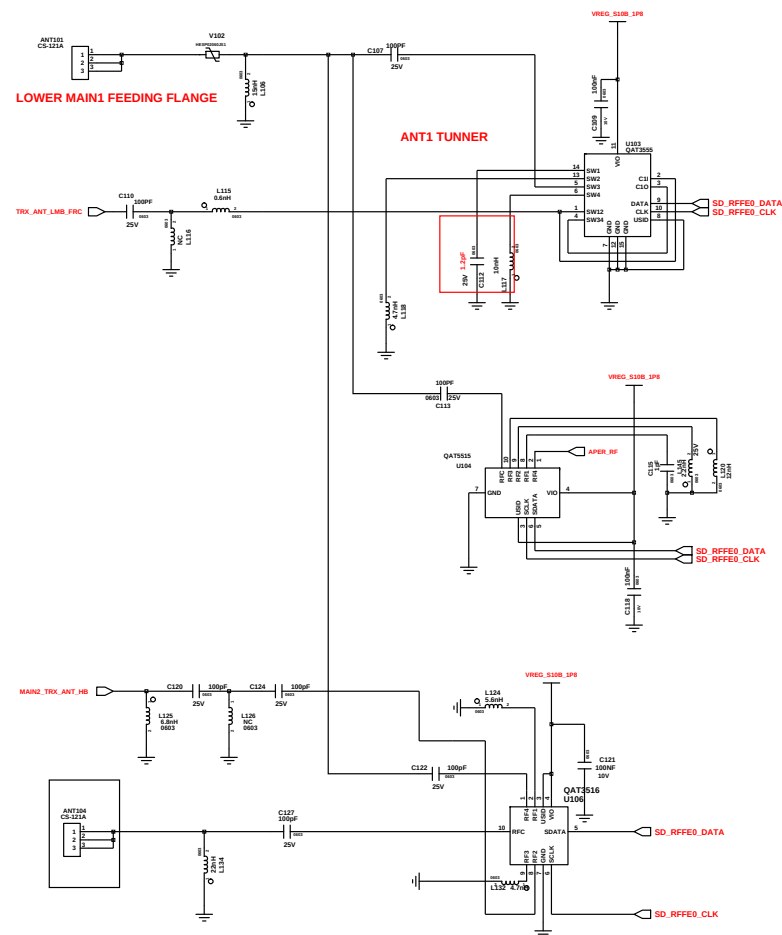
A3LSMS908U SUB PBA

sheet01 : ANT
sheet02 : LOGIC

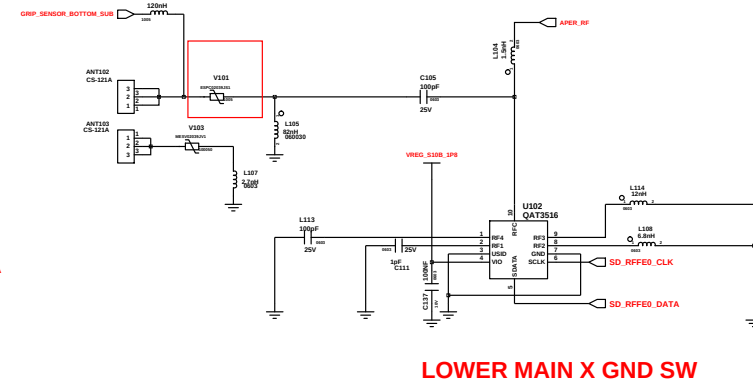
Engineer:			
Drawn By:			
R&D CHK:	TITLE:		Size: A1
DOC CTRL CHK:			
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QA CHK:	REV:	Drawing Number:	Page: 6

CONFIDENTIAL

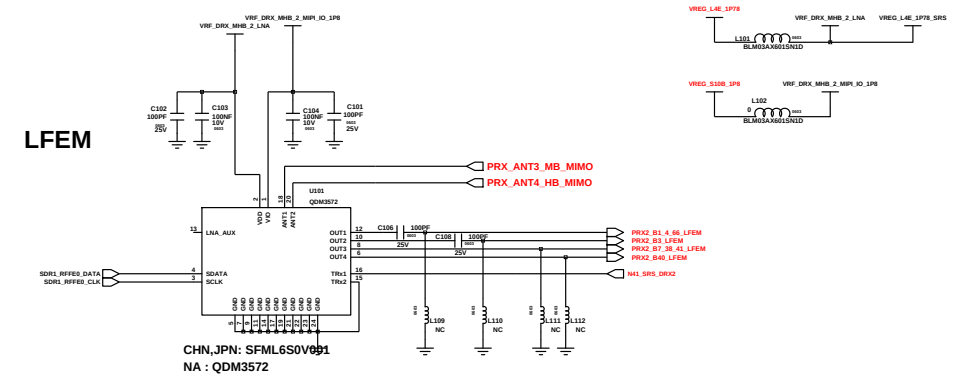
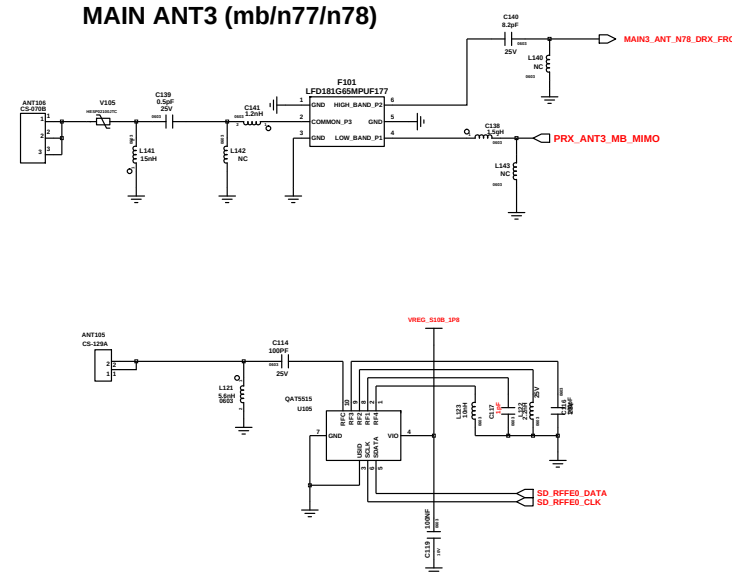
MAIN ANT1-1 LB/MB
(GSM LB/MB, B1/2/3/4/5/8/12/13/17/18/19/20/25/26/28,
TDD 34/39)



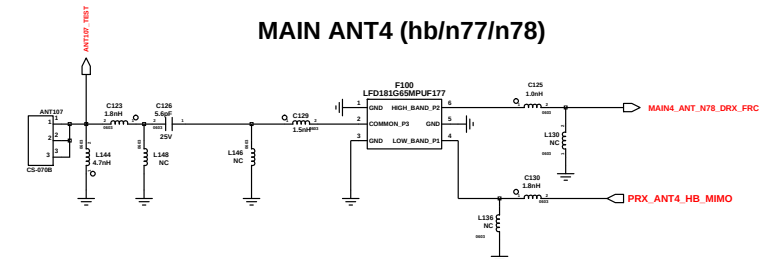
MAIN ANT2(HB/n77/n78)



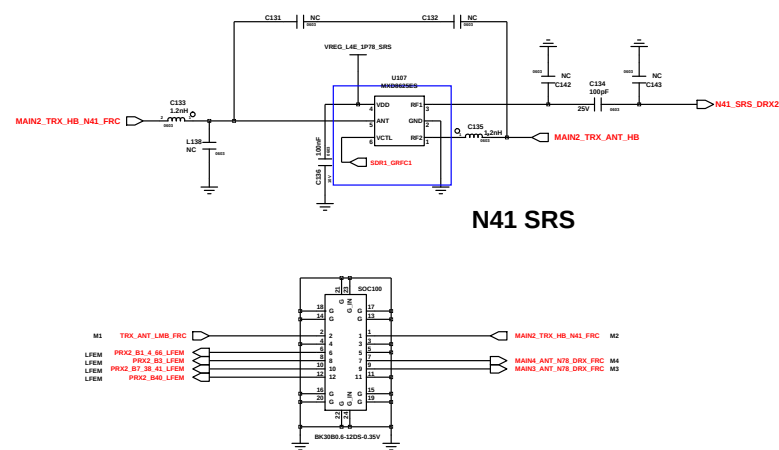
MAIN ANT3 (mb/n77/n78)



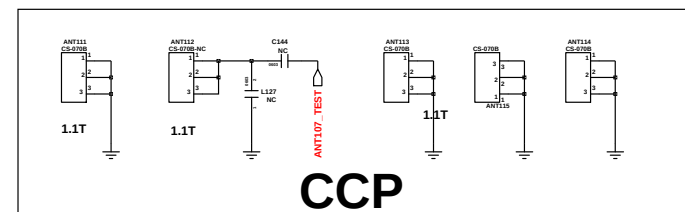
LFEM



MAIN ANT4 (hb/n77/n78)



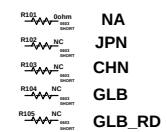
N41 SRS



CCP

etc.

INSIK MARK



BOTHHOLE

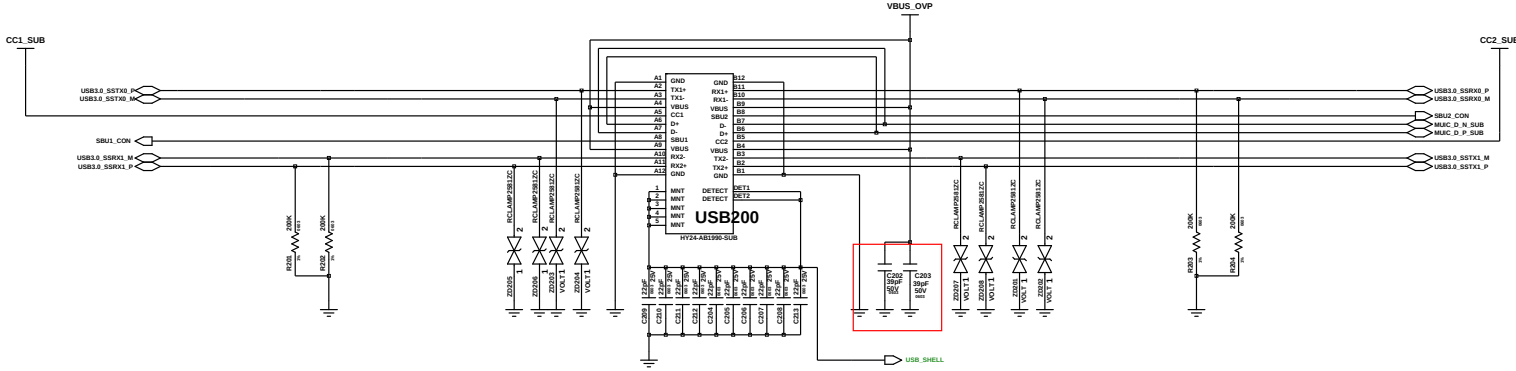
RF Connector

LOWER USB PBA

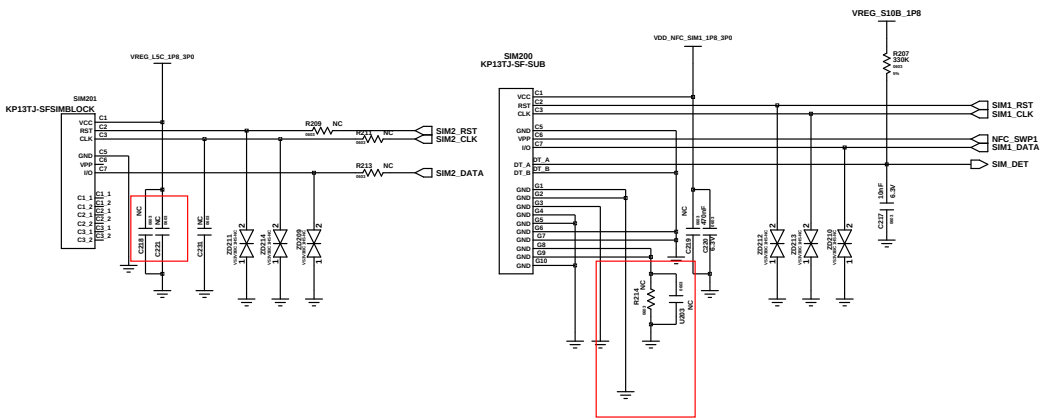
CONFIDENTIAL

USB / SIM

USB TYPE C CONNECTOR

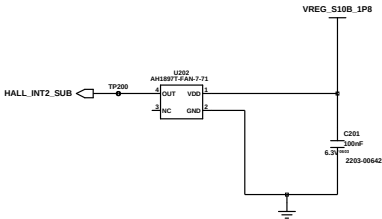


Stacked Dual SIM SOCKET

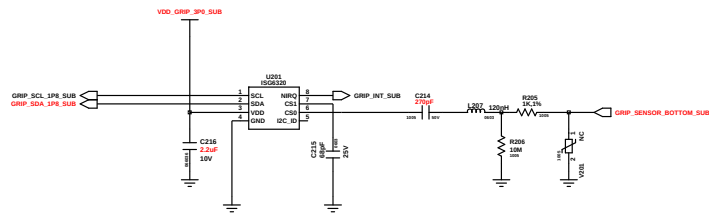


SENSOR

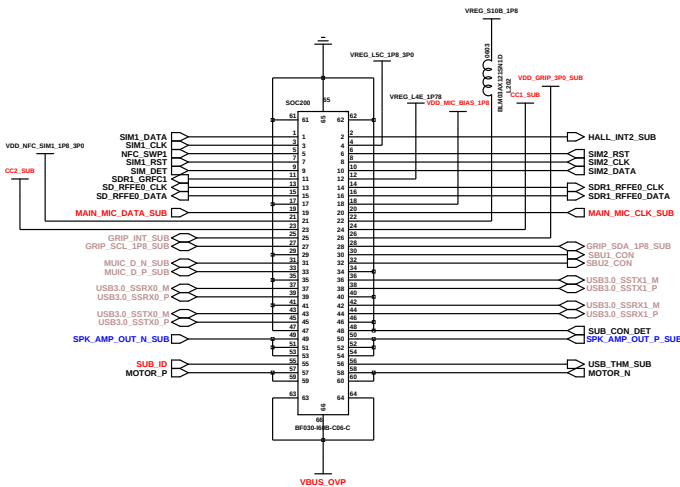
HALL SENSOR



GRIP SENSOR



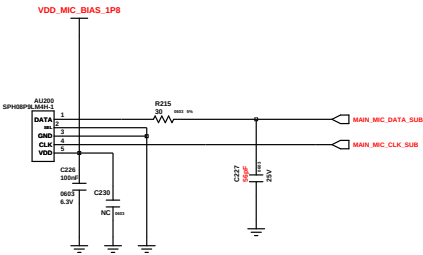
BtoB CON



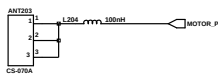
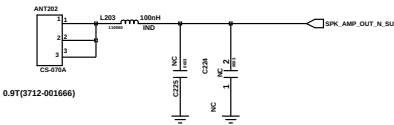
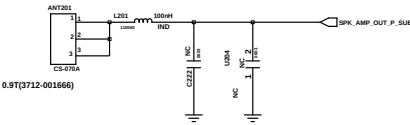
SUB PCB IF CONNECTOR

AUDIO

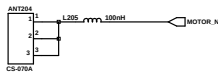
MAIN MIC



SPK CONTACT

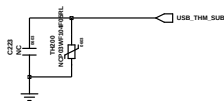


MOTOR conn.

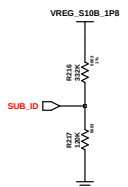


POWER

USB/BATTERY THERMISTOR



SUB VERSION



ADC RANGE	TYPICAL VALUE	ID	EXT_PU	EXT_PD	B0
0 ~ 600	480	0	332K	120K	NA(S908U) NA_CAN
601 ~ 900	720	4	270K	180K	CHN
901~1200	1080	5	180K	270K	Global
1201 ~ 1400	1320	6	120K	332K	JPN
1401 ~ 1560	1480	7	100K	470K	Global_RD